



Globalization Issues

George Panger
Seattle ACO, ANM-150S

Globalization Issues



SACO/Applicant PSP Initiatives:

- Many Certification Projects Involve Multiple ACOs and Bilateral Partner Aviation Authorities
- Many Certification Projects Do Not Make Effective Use of These Local Authorities
- Policy and Guidance Exists Which Can Eliminate Current Duplication of Efforts

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Utilizing Technical Standard Order Authorizations (TSOA):

- 14 CFR Part 21, Subpart O
 - Prescribes Minimum Performance and Quality Control Standards for Specified Materials, Parts, Processes, or Appliances used on Civil Aircraft
- Order 8150.1B - TSO Program
- Advisory Circular 20-110L - Index of Aviation Technical Standard Orders

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Utilizing TSOA (cont'd):

- An Applicant for a TC, ATC, or STC
 - Must Submit Data Showing that the Product Being Certificated Meets the Applicable Requirements of 14 CFR, Part 25
 - TSO Data May Be Used to Show Compliance and is Already FAA Approved
 - Needs to Obtain FAA Approval of Any Additional Data Not Covered by the TSO MPS

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STC Modifications Incorporated by a PC Holder of a TC:

- 14 CFR Part 21, Subpart G
 - Prescribes Procedural Requirements and Rules for Production Certificate Holders
- Order 8120.2C – Production Approval & Certificate Mgmt
 - Amend Aircraft Type Design to Incorporate the STC Design
 - Incorporation of the STC Design Without Amending the Aircraft Type Design
 - Post Production Installation of the STC by an FAA Certified Repair Station

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STC Modifications Incorporated by a PC Holder of a TC (cont'd):

- Incorporation Without Amending
 - PC Holder Adds STC to PLR
 - QC Data is Revised as Necessary
 - STC Data Provides Details Necessary for Manufacture and Conformity
- STC Holder and PC Holder Must Coordinate to Ensure Product Meets Applicable Requirements

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Use of Another Company's DER:

- Order 8110.37C – DER Guidance Handbook
 - A Company DER May Only Approve Technical Data for the Company
- Business Arrangement
 - May Allow One Company to Use Another Company's DER
 - Company Must Request in Writing to Expand the Existing Delegation

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Use of Another Company's DER (cont'd):

- ACO Must Have Need and Ability to Manage the Expanded Delegation
 - Must be Established Company DER in Good Standing Capable of Making Determinations of Compliance for Company's Product
 - Use of Another Company's DER Will Eliminate Duplication of Evaluation of Data

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Use of Previously Approved Data:

- Order 8110.4B – Type Certification
 - Prescribes the Use of Data Previously Approved by the FAA for the Purpose of Showing Compliance to 14 CFR Part 25
- Applicant Must -
 - Provide Evidence of Approval to FAA (Approval=Validity)
 - Establish Applicability of Previous Data
 - Provide Sufficient Data such that Compliance can be Found and Continued Airworthiness is Acceptable

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Use of Previously Approved Data (cont'd):

- FAA Memorandum – Guidance on Use of Previously Approved Compliance Data from Foreign Sources (soon to be an FAA Order)
- Applicant Must -
 - Provide Evidence of Approval to FAA (Approval + Bilateral = Validity)
 - Establish Applicability of Previous Data
 - Provide Sufficient Data such that Compliance can be Found and Continued Airworthiness is Acceptable

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Bilateral Aviation Safety Agreements:

- Implementation Procedures
 - Allow for Technical Assistance Between Authorities on Current Programs
 - Witnessing Tests
 - Reviewing Reports
 - Performing Conformity and Compliance Inspections
 - Authority-to-Authority Communication

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Partnership for Safety Plans (PSP):

- FAA and Industry Guide to Product Certification
 - Certification Process Improvement Principles
 - Development of a PSP Between an ACO and an Applicant Enables Both Parties to Conduct Certification Activities More Effectively while Focusing on Safety Significant Issues.
 - An Applicant with a PSP is able to Document Agreements with their Local ACO, such as Development of Streamlined Processes or Delegation of Special Authorizations
 - These Documented Agreements Allow for Efficient Generation of FAA –Approved Data Which will be Recognized by Other ACOs